

FAB125 INTERGARD 263 SAND PART A

4

10/27/14

1.

1.1. INTERGARD 263 SAND PART A
FAB125

1.2.

1.3.

626-6

(8-6)

1.4.

055-632-6286(),055 586 2310()

055 587 6276()

055 586 2310()

055 586 2310()

2.

2.1.

3; H226

/

2;H315

/

2;H319

1;H317

2;H411

2.2.

11 , 12



H315
H317
H319
H411

[]:

P210 / / /
P260 / /
P261 / /가 / / /
P262 , ,
P264
P272
P273
P280 / / /

[]:

P301+310 : /
P302+352 :
P303+361+353 () :
/
P305+351+338 가 : .가

P321 ().

P331

P333+313 /

P337 :

P362

P363

P370 :

P378 , , ,

P391

[]:

P403+233 가

[]:

P501 ()

2.3.

PBT (,) vPvB (,)

3.

| / | % | GHS | |
|---|------|--|--------|
| Epoxy resin (av.mol.wt.<700) CAS No: 0025068-38-6 | 5-10 | / 2;H319 / 2;H315 1;H317 - 2;H411 | [1] |
| Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6 | 5-10 | 1;H304 | [1] |
| xylene CAS No: 0001330-20-7 | 5-10 | 3; H226 - 4;H312 - 4;H332 / 2;H315 / 2AIH319 | [1][2] |

| | | | |
|--|-------|--|--------|
| | | -1 ;H336 - 1;H372 | |
| Titanium dioxide CAS No: 0013463-67-7 | 5-10 | | [1][2] |
| 1,2,4-trimethylbenzene CAS No: 0000095-63-6 | 2.5-5 | 3; H226 - 4;H332 / 2;H319 -1 ;H335 / 2;H315 - 2;H411 | [1][2] |
| Benzyl alcohol CAS No: 0000100-51-6 | 2.5-5 | - 4;H332 - 4;H302 | [1] |
| Fatty Acids, C18-unsaturated, Polymers with Bisphenol A and epichlorohydrin CAS No: 0067989-52-0 | 2.5-5 | / 2;H319 -1 ;H335 1;H317 - 2;H411 | [1] |
| Alkyl(C12-C14)glycidyl ether CAS No: 0068609-97-2 | 1-2.5 | / 2;H315 1;H317 | [1] |
| Ethylbenzene CAS No: 0000100-41-4 | 1-2.5 | 2;H225 - 4;H332 - 3;H373 1;H304 / 2;H315 / 2;H319 -1 ;H335 | [1][2] |
| | 50-60 | --- | --- |

- 1)
2) 가
3) PBT vPvB
16

4.

4.1.

가

가

10

4.2. 가 /

4.3.

5.

5.1.

; , , .

Note; 가 .

가 .

5.2.

가 : , , , .

5.3.

가 가 .

6.

6.1.

가 가 가 , 가

6.2.

가 .

6.3.

.8 .

, , 가 . (13 .)

가 .

가 .

, 가 , 가 . ,

7.

7.1.

가 .

, 가 (LEL) (OEL)

가

가

가 (LEL)

(OEL)

7.2. ()

, 8

가 , 가 , 1 가

7.3. Specific end use(s)

가

, 가

. 3

Hot surfaces, Sparks,

가 (60% ,)

8.

8.1.

(OEL)

(ACGIH)

(ACGIH)

ppm

mg/m³

ppm

mg/m³

Barium Sulphate

2

10

Ethylbenzene

125

545

100

435

Titanium dioxide

10

xylene

150

655

100

434

(P) (Peak exposure limit)
(R)
(Sk)
(Sen)
(Cat 1)
(Cat 2) 가
(Cat 3)

DNEL/PNEC

8.2.

가

가 , (visor)

(overall)

가

가 .가 가

9.

pH / (°C) (°C) 137
45
(= 1)
(,) / : 1.1 (xylene)

(Pa)

1.62

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7)

가

10.3.

가

10.4.

10.5.

10.6.

가

11.

(OEL)

가

Data

가

가

2

| | | | | |
|--|-------|-------|--|--|
| | LD50, | LD50, | | |
|--|-------|-------|--|--|

| | mg/kg | mg/kg | LD50, mg/L/4hr | / LD50, mg/L/4hr |
|--|------------|------------|-------------------|---------------------|
| 1,2,4-trimethylbenzene - (95-63-6) | 3,400.00, | 3,160.00, | 18.00, | |
| Alkyl(C12-C14)glycidyl ether - (68609-97-2) | | | | |
| Benzyl alcohol - (100-51-6) | 1,230.00, | 2,000.00, | | 4.178, |
| Epoxy resin (av.mol.wt.<700) - (25068-38-6) | 2,000.00, | 2,000.00, | | |
| Ethylbenzene - (100-41-4) | 3,500.00, | 15,433.00, | 17.20, | |
| Fatty Acids, C18-unsaturated, Polymers with Bisphenol A and epichlorohydrin - (67989-52-0) | | | | |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 6,800.00, | 3,400.00, | | |
| Titanium dioxide - (13463-67-7) | 10,000.00, | 10,000.00, | | 6.82, |
| xylene - (1330-20-7) | 4,299.00, | 1,548.00, | | 20.00, |

| | | |
|------|---|--|
| | | |
| () | | |
| () | | |
| () | | |
| / | 2 | |
| / | 2 | |
| | | |
| | 1 | |
| | | |
| | | |
| | | |
| (1) | | |
| () | | |
| | | |

12.

12.1.

Dangerous Preparations Directive 1999/45/EC

가
(3)

가

| | 96 hr LC50 mg/l | 49 hr EC50 mg/l | ErC50 mg/l |
|--|---------------------------|---------------------|--|
| Epoxy resin (av.mol.wt.<700) - (25068-38-6) | 3.10, Pimephales promelas | 1.40, Daphnia magna | |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 9.22, Oncorhynchus mykiss | 6.14, Daphnia magna | 19.00 (72 hr), Selenastrum capricornutum |
| xylene - (1330-20-7) | | | |

| | | | |
|--|---------------------------------|--------------------------|---|
| | 3.30, Oncorhynchus mykiss | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales |
| Titanium dioxide - (13463-67-7) | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| 1,2,4-trimethylbenzene - (95-63-6) | 7.72, Pimephales promelas | 3.60, Daphnia magna | |
| Benzyl alcohol - (100-51-6) | 10.00, Lepomis macrochirus | 55.00, Daphnia magna | 700.00 (72 hr), |
| Fatty Acids, C18-unsaturated, Polymers with Bisphenol A and epichlorohydrin - (67989-52-0) | | | |
| Alkyl(C12-C14)glycidyl ether - (68609-97-2) | | | |
| Ethylbenzene - (100-41-4) | 4.20, Oncorhynchus mykiss | 2.93, Daphnia magna | 3.60 (96 hr), Pseudokirchneriella subcapitata |

12.2.

가 .

12.3.

12.4.

12.5. , , 가

PBT (,) vPvB (,) .

12.6.

13.

13.1.

가

14.

14.1. 1263

14.2.

14.3.

1263, , 3, III, 3[Y]

IMDG Class/Div. 3

EmS F-E,S-E

ICAO/IATA 3

14.4. III

14.5.

:

IMDG : (Epoxy Resin)

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

4 , 2 , III

MSDS 8 .

Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)

(CMR):

Silica(quartz) (0014808-60-7)
Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)

:

Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)
xylene (0001330-20-7)

:

Ethylbenzene (0000100-41-4)
xylene (0001330-20-7)

가

:

()

:

()

:

()

:

()

Group I:

()

Group II:

Barium Sulphate (0007727-43-7)
Epoxy resin (av.mol.wt.<700) (0025068-38-6)
Ethylbenzene (0000100-41-4)
xylene (0001330-20-7)

() :

()

() :

16.

: 10/27/2014

: 4

: 11/18/2005

MSDS KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS

SDS

Section 3 Phrases

H225

H226

H302

H304

H312

H315

H317

H319

H332

H335

H336

H372

H373

H411

This SDS is valid for 5 years from the revised date on page 1.



Akzo Nobel

가